



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	SILVA ET AL.)	
)	
SERIAL No.:	09/773,274)	ART UNIT
)	2834
FILED:	January 31, 2001)	
)	EXAMINER:
)	Pedro Cuevas
FOR:	APPARATUS AND METHOD FOR)		
	SECURING WIRES OF A ROTOR)		

MARKED UP VERSION OF PRIOR PENDING SPECIFICATION AND
CLAIMS

IN THE TITLE:

Please amend/replace the title as follows:

[APPARATUS AND METHOD] COIL LEAD AND TERMINAL SECURMENT
CAPS FOR SECURING WIRES OF A ROTOR

IN THE CLAIMS:

Please amend/replace claims 1, 2, 10, 11, 13, 14, 17, 27 and 28 as follows:

Claim 1. (amended) A fan and slip ring assembly for an electric machine,
comprising:

- a) a rotor for said electric machine, said rotor comprising a rotatable shaft along a longitudinal axis and a field coil having a pair of coil leads;
- b) a fan having a central aperture through which the shaft passes, the pair of coil leads passing through a pair of openings in said fan;

c) a pair of replacement slip rings longitudinally spaced from said fan, each slip ring having a coupling terminal, said slip rings being secured to said shaft, one of said coupling terminals being secured to one of said pair of coil leads of said coil, and the other one of said coupling terminals being secured to the other one of said pair of coil leads; and

d) a pair of [securement caps] retaining members for securing said pair of coil leads and said pair of coupling terminals to said fan, wherein said pair of retaining members are ultrasonically welded to said fan.

Claim 2. (amended) A rotor for an electrical machine, comprising:

- a) a shaft defining an axis of rotation of said rotor;
- b) first and second pole pieces affixed to said shaft for rotation therewith and together defining an interior cavity;
- c) a replacement slip ring affixed to said shaft for rotation therewith;
- d) a field-generating coil disposed within said interior cavity, said field-generating coil comprising a plurality of turns of electrical wire, said electrical wire further having a coil lead extending to and being electrically coupled to a lead of said slip ring, said coil lead and said lead of said slip ring defining at a point of securement;
- e) a fan affixed to either said first or second pole piece; and
- f) a retaining member, said retaining member securing said point of securement to said fan, wherein said retaining member is ultrasonically welded to said fan.

Claim 10. (amended) The rotor as in claim 2, wherein said replacement slip ring is secured to said rotor after [a replacement for] an original slip ring is removed from said electric machine, and said retaining member provides a means for securing said point of securement to said fan after said replacement slip ring is secured to said rotor.

Claim 11. (amended) The fan and slip ring assembly as in claim 1, wherein said pair of replacement slip rings are secured to said electric machine after [assembly is a replacement for] an original slip ring assembly is removed from said electric machine and said [securement caps] retaining members provide a means for securing [secure] said pair of coil leads and said pair of coupling terminals to said fan in substantially the same location as said original slip ring assembly after said pair of replacement slip rings [assembly is] are secured to said rotor.

Claim 13. (amended) The rotor as in claim 2, wherein said field-generating coil includes a pair of coil leads extending to and being electrically coupled to a pair of leads of a pair of replacement said slip rings to define a pair of points of securement, said pair of points of securement being secured to said fan by a pair of retaining members.

Claim 14. (amended) The fan and slip ring assembly as in claim 1, wherein said pair of [securement caps] retaining members each comprise: a receiving area being configured and dimensioned to cover said pair of coil leads and said pair of coupling terminals when said retaining [caps] members are secured to a surface of said fan.

Claim 15. (amended) The fan and slip ring assembly as in claim 14, wherein said pair of retaining [caps] members further comprise:

a pair of end portions depending outwardly from a pair of leg portions, said pair of leg portions being secured to each other at one end, and said pair of leg portions defining said receiving area, said end portions being secured to said surface of said fan.

Claim 17. (amended) The fan and slip ring assembly as in claim 11, wherein said pair of [securement caps] retaining members secure said pair of coil leads and said pair of coupling terminals to a portion of said fan, said portion [being the location of the securement of a lead of said original slip ring] comprising a portion of an original heat staking location of said original slip ring assembly.

Claim 27. (amended) The rotor as in claim 22, wherein said replacement slip ring is secured to said rotor after [a replacement for] an original slip ring is removed from said electric machine, and said retaining member provides a means for securing said point of securement to said fan in substantially the same location as said original slip ring after said replacement slip ring is secured to said rotor.

Claim 28. (amended) The rotor as in claim 24, wherein said replacement slip ring is secured to said rotor after [a replacement for] an original slip ring is removed from said electric machine, and said retaining member provides a means for securing said point of securement to said fan in substantially the same location as said original slip ring after said replacement slip ring is secured to said rotor.